

DANFOSS VACON® 20

basic frequency controller



Drives

Description

The Vacon 20 AC drive comes packed with functionality and possibilities to bring any machine control to a completely new level. The compact size in combination with a wide power range is the base, but the Vacon 20's possibilities do not end there. A built-in PLC functionality, which is one of the most flexible on the market, makes this product adapt to every task and bring cost savings to the user. In order for machine builders to be able to compete in an increasingly competitive market, it is important to continuously seek solutions to further improve performance and cost efficiency, Vacon 20 offers new possibilities here.

Applications

- o water pumps
- o fans
- o conveyors

Specifications

- o power: up to 18,5 kW
- o continuous current: up to 38A
- o voltages:
 - 1-phase 208-240 Volt 50-60 Hz
 - 3-phase 380-480 Volt, 50-60 Hz
- o frame size: MI 1 – MI 5

- o dimensions: W x H x D, weight :

- MI 1: 66 × 157 × 98 mm, 0,5 kg
- MI 2: 90 × 195 × 102 mm, 0,7 kg
- MI 3: 100 × 262 × 109 mm, 1,0 kg
- MI 4: 165 × 370 × 165 mm, 8,0 kg
- MI 5: 165 × 414 × 202 mm, 10,0 kg

- o EMC filter according EN 61800-3 category 2 on request
- o protection: IP20

The Vacon 20 is available in all common voltages in the range of 110-600 V. Combined with a wide power range up to 18.5kW /25 HP. Customers can reduce costs by implementing our harmonized product range and increase efficiency in their manufacturing processes.

In currents above 16A the drive is available with a built-in harmonic filtering choke for public networks according to IEC61000-3-12.



Specifications and dimensions for Vacon 20

POWER SUPPLY	TYPE AC DRIVE	POWER kW	RATED CURRENT		FRAME SIZE	DIMENSIONS mm	WEIGHT kg
			1 _N (A)	1,5 × 1 _N (A)			
208-240VAC, 1-phase	VACON0020-1L-0001-2	0.25	1.7	2.6	M11	66 × 160 × 99	0.55
	VACON0020-1L-0002-2	0.37	2.4	3.6			
	VACON0020-1L-0003	0.55	2.8	4.2			
	VACON0020-1L-0004	0.75	3.7	5.6	M12	90 × 195 × 102	0.7
	VACON0020-1L-0005	1.1	4.8	7.2			
	VACON0020-1L-0007	1.5	7	10.5	M13	100 × 255 × 109	0.99
VACON0020-1L-0009	2.2	9.6	14.4				
208-240VAC, 3-phase	VACON0020-3L-0001-2	0.25	1.7	2.6	M11	66 × 160 × 99	0.55
	VACON0020-3L-0002-2	0.37	2.4	3.6			
	VACON0020-3L-0003-2	0.55	2.8	4.2			
	VACON0020-3L-0004-2	0.75	3.7	5.6	M12	90 × 195 × 102	0.7
	VACON0020-3L-0005-2	1.1	4.8	7.2			
	VACON0020-3L-0007-2	1.5	7	10.5	M13	100 × 255 × 109	0.99
	VACON0020-3L-0011-2	2.2	11	16.5			
	VACON0020-3L-0012-2	3	12.5	18.8	M14	165 × 370 × 165	8
	VACON0020-3L-0017-2	4	17.5	26.3			
	VACON0020-3L-0025-2	5.5	25	37.5			
	VACON0020-3L-0031-2	7.5	31	46.5	M15	165 × 414 × 202	10
	VACON0020-3L-0038-2	11	38	57			
380-480VAC, 3-phase	VACON0020-3L-0001-4	0.37	1.3	2.0	M11	66 × 160 × 99	0.55
	VACON0020-3L-0002-4	0.55	1.9	2.9			
	VACON0020-3L-0003-4	0.75	2.4	3.6			
	VACON0020-3L-0004-4	1.1	3.3	5.0	M12	90 × 195 × 102	0.7
	VACON0020-3L-0005-4	1.5	4.3	6.5			
	VACON0020-3L-0006-4	2.2	5.6	8.4	M13	100 × 255 × 109	0.99
	VACON0020-3L-0008-4	3	7.6	11.4			
	VACON0020-3L-0009-4	4	9	13.5			
	VACON0020-3L-0012-4	5.5	12	18.0	M14	165 × 370 × 165	8
	VACON0020-3L-0016-4	7.5	16	24			
	VACON0020-3L-0023-4	11	23	34.5	M15	165 × 414 × 202	10
	VACON0020-3L-0031-4	15	31	46.5			
	VACON0020-3L-0038-4	18.5	38	57			